Spec. Code: 4576(4072)
Occ. Area: 02
Work Area: 069
Prob. Period: 6 mo.
Prom. Line: none
Effective Date: 07/15/79

RADIATION SAFETY TECHNICIAN

Function of Job

Under general supervision, to provide technical assistance to the radiation safety officer or other designated supervisor in the implementation of a radiation safety program.

Characteristic Duties and Responsibilities

1. maintains control of the radioisotope inventory by performing such duties as:
    a. processing radioisotope purchase request forms provided and approved by supervisor
    b. receiving radioisotope shipments; testing for leakage as appropriate; recording amount received in the inventory; and releasing shipments to users
    c. obtaining usage information from user departments and updating inventory
    d. collecting and arranging for waste disposal pickups; receiving packaged waste from radioisotope users; and releasing it to the waste disposal company after approval by supervisor
    e. assisting in the development and/or maintenance of inventory control system
2. assists the supervisor in making scheduled and unscheduled laboratory surveys to ensure safe and careful use of radioisotope and/or radiation producing devices
3. maintains the radioisotope library and acts as contact point for radiological assistance to users
4. assists the supervisor in providing training for technical laboratory personnel to avoid a radiological accident or incident
5. maintains contact with commercial suppliers of radiological services
6. maintains occupational radiation exposure records
7. assists the radiological safety officer with calibration of radiation producing devices
8. performs related duties as assigned

RADIATION SAFETY TECHNICIAN
2

Minimum Acceptable Qualifications

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. (A) 16 semester hours of college credit for course work in physics, including training in electronics, electricity, and magnetism

or

12 semester hours of college credit for course work in mathematics, including training in calculus and differential equations

or

8 semester hours of college credit for course work in chemistry*

or

(B) three years of work experience which involved radiological safety control that would prepare an applicant to undertake the duties described in this class specification

PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

1. knowledge of the operation of radiation safety detection equipment and instrumentation (such as geiger counter, proportional counter, and scintillation counter)

* A Baccalaureate degree in health physics, bio-physics, physics, or a closely related field would satisfy all the training requirements listed in "A" above.